Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
18	KSRB13-6.1-3 : Providing and fixing in position brass bib cock of approved quality 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3. **(P.No.91/ I.No. 13.25 of CSR 2016-17)**	Each							
			6				**6.00**	167.48	**1005.00**
19	KSRB 11-7.1 : Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm with 5 litres PVC automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 **Page No. 78 / Item No. 12.7, PWD SR 2016-17**	Unit							
	Total Qty		6				**6.00**	TP	
	Qty upto 125%						**2.50**	3145.02	**7863.00**
	Qty Above 125%						**3.50**	3145.02	**11008.00**
20	KSRB 11-15.3 : Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications. (**P.No.82, I.No. 12.41 of PWD SR 2016-17**)	Unit							
			2				**2.00**	1250.80	**2502.00**

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
21	KSRB 12-8.2 : Constructing brick masonry inspection chamber **500x700mm, and 450mm depth,** (clear inside dimension) for pipeline with one or two inlets, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal , foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finished smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS **Page No. 74, Page No. 11.52, PWD SR 2016-17**	Each							
			3				**3.00**	8258.46	**24775.00**
22	Providing and fixing to wall, ceiling and floor unplasticised PVC pipes 10.00 kgf/sq.cm working pressure chemp plast / Wavin or equivalent make with pipe fittings, wall clips, making good the wall, ceiling and floor, including cost of all materials,with **110mm outer dia Page No. 75, Item No. 11.56.2, PWD SR 2016-17**	m							
			1	20.00			**20.00**	729.28	**14586.00**
23	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12. **(P.No. 32, I.No. 7.9 of PWD SR 2016-17)**	Kgs							
	Central Plaza Front		3	3.00			9.00		
	Backside		2	2.00			4.00		
	Back Side Waiting Hall 1 & 2 Front		2	3.00			6.00		
	Backside		3	3.00			9.00		
	Furnage Front		2	2.00			4.00		
	Windows		3	3.00			9.00		
			3	3.00			9.00		
			2	2.00			4.00		
							54.00		
				48.00 x 21 kg/sqm			**1134.00**	82.68	93759.00

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
24	Providing and Fixing glass pannel 5.5 mm thick to the windows	Sqm							
			4	(5)/2	2.50		25.00		
	Consider 50% of the total Qty						**12.50**	650.00	**8125.00**
25	Providing & Fixing Mosquito mesh shutters made out of Stainless Steel mosquito proof mesh with 95% & above visibility which is fixed to the powder coated aluminium frame 32mm thick of approved shade. The work including fixing the shutters with necessary accessories, to complete as per specification including the labour charges for fixing the shutter to the existing frames. **Page No. 61, Item No. 9.103, PWD SR 2016-17**	Sqm							
			4	(5)/2	2.50		25.00		
							25.00	2756.00	**68900.00**
26	KSRB 14.6-1: Providing and laying **heavy duty cobble stones 60mm thick interlock pavers**, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. Specification No. KBS. **(P.No. 101, I.No. 14.6 of CSR 2016-17)**	Sqm							
			4	22.00	1.20		105.60		
							105.60	966.72	**102086.00**
27	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete **Page No. 25 / Item No. 5.30 PWD SR 2016-17**	No							
			2	65.00			289		
				0.45					
							289	331.78	**95848.00**
	Sinking of Borewell								

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
28	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction **(P.48, I. 9.4) PRED.SR 2012-13**	Each BW	1				**1**	1938.46	**1938.00**
29	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding coat of casing pipes, collars, cap etc.,) **P. 46 / I. 9.1 PRED SR 2012-13**	Rmtr							
	0 to 50 m		1	50.00			**50.00**	315.18	**15759.00**
30	50 to 100 m		1	50.00			**50.00**	412.00	**20600.00**
31	100 to 150 m		1	50.00			**50.00**	458.35	**22918.00**
32	150 to 200 m		1	50.00			**50.00**	484.10	**24205.00**
33	200 to 250 m		1	50.00			**50.00**	560.32	**28016.00**
34	Supply of ISI mark 175 mm nominal bore, Plain end steel casing pipe - grade of Steel Fee 410 of wall thickness 5.4mm thick confirming to IS 4270:2001 and latest amendments, electric resistance welded steel tube material and confirming to IS 1387/1993 and manufactured by baseic open hearth electric or basic oxygen process in random length of 5 to 7 mts both ends threaded confirming tio IS 554/1985, one end fixied with socket confirming to IS 4270:2001 and the other end with screwed pipes ISI Marking weighing 25.10Kg/mtr (Inclusive of all taxes and durties) Prices include Collar-medium duty **P. iii, I No. 84 PRED SR 2012-13**	Rmtr							
	Total Qty		1	70.00			**70.00**	TP	
	Qty upto 125%						**67.50**	1325.00	89438.00
	Qty Above 125%						**2.50**	1325.00	3313.00

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
35	Providing 250mm dia PVC Pipe 6kg/cm **SE PRED Approved Rate**	Rmtr							
	Total Qty		1	18.00			**18.00**	TP	
	Qty upto 125%						**15.00**	1064.00	**15960.00**
	Qty Above 125%						**3.00**	1064.00	**3192.00**
36	Providing and fixing 160mm Borewell Cap **P. iii, I No. 85**	Each							
			1				**1**	103.00	**103.00**
37	Providing MS Casing Pipe Collars Cap **P**	Each							
			6				**6**	154.50	**927.00**
60	KSRB 2-1.1 : Earthwork in surface excavation in **ordinary soil** for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1 **Page No. 5 / Item No. 2.1 of PWD SR 2016-17**	Cum							
			1	60.00	0.60	0.75	27.00		
							27.00	166.42	**4493.00**
61	Providing and instalation at site of works P.V.C.Pipes including cost of pipes and specials and incluidng lowring into trenches, laying true to line, level and perfect linking at joints, leak proof including jointing encasing the pipe alround to a depth Not less than 15cm with grave or selected earth avalabile from the execavation Etc., **Page No.15 item No.3.4.2 b PRED SR 2012-13.**	Rmtr							
	63 mm dia 6 KSC PVC pipe		1	60.00			60.00		
							60.00	115.36	**6922.00**
62	Refilling the basement and pipeline treanches with secleted available earthe for trench excavation including authority condition in layers from thedi including disponsary of the sunplus earth with a heavy 200 mtrs **Page No. 3 / Item No. 1.6 / PRED SR 2012-13**	Cum							
			Qty. Vide Item No. 27				**27.00**	95.40	**2576.00**
	Basic Rate	61.00							
	EIRL								
63	KSRRB M800-7. Painting:-Providing and applying two coats of ready mix paint of approved brand after through cleaning of surface to give an even shade complete as per specifications. MORTH Specification No. 803 - Painting on Steel **Surface Page No. 184 / Item No. 24.8.1, PWD SR 2016-17**	Sqm							
			2	3.20		3.20	20.48		

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			2	2.20		3.20	14.08		
	Basic Rate	57.00					**34.56**	58.57	**2024.00**
	Area Weightage @ 8%	4.56							
	Total	**61.56**							
	Tender Premium @ -4.86%	**-2.99**							
		58.57							
64	KSRB 15-19.1 : Providing and applying ready mix priming coat over concrete / masonry / asbestos cement sheet / plastered surfaces including preparing the surface after thoroughly cleaning of oil, grease, dirt and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. **Page No. 122 / Item No. Item No. 15.80, PWD SR 2016-17**	Sqm							
	Kerb Stone Painting		2	65.00		0.45	58.50		
			2	100.00		0.45	90.00		
			2	50.00		0.45	45.00		
	Basic Rate	26.00					**193.50**	26.72	**5169.00**
	Area Weightage @ 8%	2.08							
	Total	**28.08**							
	Tender Premium @ -4.86%	**-1.36**							
		26.72							
65	KSRB 15-19.2 : Providing and applying spray painting in two coats (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications.**Page No. 122 / Item No. Item No. 15.81, PWD SR 2016-17**	Sqm							
			Qty Vide Item No. 60				193.50		
	Basic Rate	66.00					**193.50**	67.82	**13122.00**
	Area Weightage @ 8%	5.28							
	Total	**71.28**							
	Tender Premium @ -4.86%	**-3.46**							
		67.82							
66	KSRB 5-14.2 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 25 / Item No. 5.27.2. PWD SR 2016-17**	Sqm							
			1	17.40		1.90	33.06		
			1	5.50		1.90	10.45		

Sl No.	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	831.00					**43.51**	853.86	**37152.00**
	Area Weightage @ 8%	66.48							
	Total	**897.48**							
	Tender Premium @ -4.86%	**-43.62**							
		853.86							
53	Providing and fixing **M.S. Gate** as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members asshown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specifiocation. **Page. No. 43 / Item. No. 7.37 PWD SR 2016-17**	Sqm							
			1	6.70	2.30		15.41		
							15.41	3014.72	**46457.00**
	Basic rate	2934.00							
	Add 8% AW	234.72							
	Total	**3168.72**							
	Tender Premium @ -4.86%	**-154.00**							
		3014.72							
	Total							-	**2078939.00**
	Rupees Twenty Lakh(s) Seventy Eight Thousand Nine Hundred Thirty Nine Only								

Certificate:

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per PWD SR of 2016-17+/- Tender Premium.
3. The provisions were made in this estimate are necessary and adequate.
4. This works come under B.B.M.P. limits.

Assistant Engineer
Project Division

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Project Division, Yelahanka

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Project Division, Yelahanka

2/2/18

Technical Sanction
Accorded For 2078939/-
Head of A/C. 4054
CER NO TS/US/17-18 Dt: 23/02/18

TA - CE (YNK)